AMENDMENTS TO THE CLAIMS

- (Original) A method for isolating a phosphorylated target molecule in a sample, said method comprising the steps of:
 - a) contacting said sample with a binding solution comprising a metal chelating moiety; a salt comprising trivalent metal ions, wherein said metal ion is capable of simultaneously binding said metal chelating moiety and a phosphorylated target molecule; and, an acid;
 - incubating said sample and said binding solution, to form a combined mixture, for a sufficient amount of time to allow said metal chelating moiety and said metal ion to associate with said phosphorylated target molecule;
 - separating said phosphorylated target molecules from unphosphorylated molecules by a chromatography means whereby said phosphorylated target molecule is isolated; and,
 - optionally determining a sequence of the isolated phosphorylated target molecule by a sequencing means.
- (Original) The method according to Claim 1, wherein said chromatography means include a size exclusion column or a reverse phase HPLC column.
- (Original) The method according to Claim 2, wherein said sequencing means utilizes a mass spectrometer.
- 4. (Original) The method according to Claim 1, wherein said metal chelating moiety is covalently bonded to a label and said method further comprises illuminating said label with a suitable light source whereby said bound phosphorylated target molecule is detected.
- (Original) The method according to Claim 4, wherein said label is selected from the group consisting of a dye and a hapten.

- (Original) The method according to Claim 5, wherein said dye is selected from the group consisting of a benzofuran, a quinazolinone, a xanthene, an indole, a benzazole and a borapolyazaindacene.
- (Currently Amended) The method according to Claim 6, wherein said xanthene
 is selected from the group consisting of <u>a</u> fluorescein, <u>a</u> rhodol, <u>a</u> rosamine, <u>and</u>
 a rhodamine-and-derivatives-thereof.
- (Original) The method according to Claim 1, wherein said phosphorylated target
 molecule is selected from the group consisting of proteins, peptides, nucleotides,
 carbohydrates, phosphatase substrates, kinase substrates, lipids and inorganic
 phosphate.
- (Original) The method according to Claim 1, wherein said metal chelating moiety is selected from the group consisting of BAPTA, IDA, DTPA and phenanthrolines.
- (Original) The method according to Claim 7, wherein said binding solution has a pH about 3 to about pH 6.
- (Original) The method according to Claim 8, wherein said metal ion is selected from the group consisting of Ga³⁺, Fe³⁺ and Al³⁺.
- 12. (Original) The method according to Claim 9, wherein said salt is gallium chloride.

Claims 13-25. (Canceled)